

**AMENDMENTS TO THE CLAIMS:**

Claims 1-6 (cancelled).

7. (Original) An electric power steering device, comprising:  
a steering unit equipped with a motor for assisting the steering power of itself;  
controlling means for controlling an output of said motor according to at least a  
signal of a steering torque generated at a steering shaft;  
wherein said controlling means includes:  
motor current command value calculating means for calculating a current  
command value of a current to be supplied to said motor;  
motor current detecting means for detecting a current that flows in said motor;  
current deviation calculating/proportionally integrating means for calculating each  
difference between a motor current command value and a detected motor current and  
integrating calculated difference proportionally for outputting a current control value; and  
fault determining means for determining that said motor current detecting means is  
defective when said detected motor current is not within a predetermined limit value;  
wherein said controlling means controls so that said motor current command value  
is set only for a time whose value is larger than said electrical time constant of said motor  
and smaller than said mechanical time constant of said motor to drive said motor with a  
voltage to be set based on the current control value output from said current deviation  
calculating/proportionally integrating means so as to enable said fault determining means  
to determine a fault of said motor current detecting means.

8. (Original) The electric power steering device according to claim 7,  
wherein said controlling means increases said voltage applied to said motor up to a value  
that breaks an oxide film formed on a contact surface between a commutator and a brush  
of said motor.

9. (Original) The electric power steering device according to claim 7, wherein said fault determining means determines a fault of said motor current detecting means according to each detection result of said motor current detecting means obtained in a plurality of motor current sampling operations.

10. (Original) The electric power steering device according to claim 9, wherein said fault determining means does not determine that said detected motor current detecting means is defective immediately when said detected motor current includes values that are both within said predetermined limit value and not within said predetermined limit value in said motor current sampling results obtained through a plurality of sampling operations, and said fault determining means determines that said motor current detecting means is defective when said detected motor current includes a value not within said predetermined limit value in said sampling results obtained through a plurality of sampling operations, or said detected motor current values include a value not within said predetermined limit value in said sampling results obtained in correspondence with said voltage applied to the motor increased step by step in time series.

11. (Original) The electric power steering means according to claim 9, wherein said fault determining means determines that the motor current detecting means is defective when a plurality of motor currents that are not within said limit value are detected consecutively in detection results obtained through a plurality of sampling operations performed by said motor current detecting means.

12. (Original) The electric power steering device according to claim 7, wherein said motor applied voltage is limited in maximum by a value corresponding to said mechanical time constant of said motor.